

MATERIAL SAFETY DATA SHEET

PETRA HYGIENIC SYSTEMS

CDN: 86 Moyal Court, Concord, ON L4K 4R8
 USA: P.O. Box 18217, Reno NV 89511
 (905) 879-0575 (800) 463-2516 Fax: (905) 879-0570
 www.petrasoap.com

IDENTITY: HY-STEP FOOT SPRAY DISINFECTANT – FS 700	COMMON NAME: FOOTSPRAY
---	-------------------------------

EMERGENCY ASSISTANCE: 800-463-2516

DATE: JANUARY 5, 2010

**** THIS IS NOT A CONTROLLED PRODUCT ****

1) HAZARDOUS COMPONENTS

(Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	%(Optional)
Ethyl Alcohol	N/A	N/A	30 – 40%
Lauryl Dimethyl Benzyl Ammonium Chloride	N/A	N/A	2 – 3%
Menthol	N/A	N/A	0.5 – 1%
Propylene Glycol	N/A	N/A	2 – 3%

2) PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	205°F	Specific Gravity (H2O=1):	0.910 @ 25°C
Vapour Pressure	1.5	Melting Point	None
Vapour Density	1.5	Evaporating Rate (Butyl Acetate = 1)	1.3
Solubility in Water:	Complete		
Appearance & Odour	Clear, colourless liquid; Alcohol/Menthol Fragrance.		

3) FIRE & EXPLOSION HAZARD DATA

**** FLAMMABLE LIQUID****

Flash Point (Method Used)	109 F (PMCC)	Flammable Limits	LEL	3.3	UEL	3.3
Extinguishing Media	Use water fog, 'Alcohol' foam, dry chemical or CO2.					
Special Fire Fighting Procedures	<u>** WARNING – FLAMMABLE LIQUID**</u> Clear fire area of unprotected personnel. Do not enter confined space without full bunker gear, including helmet with shield, coats, gloves, boots and positive breathing apparatus.					
Unusual Fire & Explosion Hazards	: Containers exposed to intense heat should be cooled off with water to prevent vapour pressure build up, which could result in container rupture.					

IDENTITY: HY-STEP FOOTSPRAY DISINFECTANT – FS 700

4) REACTIVITY DATA

Stability	Stable	X	Conditions to Avoid	None
	Unstable			
Incompatibility (Materials to Avoid)				None
Hazardous Decomposition or By-products				None
Hazardous Polymerisation: May Occur	Will Not Occur	X	Conditions to Avoid	None

5) HEALTH HAZARD DATA

Route(s) of Entry : Inhalation? NO Skin? Yes Ingestion? Minimal
Health Hazards (Acute & Chronic) : Allergic reactions
Carcinogenicity: None NTP? IARC Monographs? OSHA Regulated? No
Signs & Symptoms of Exposure: Burning sensation in eyes on contact, especially prolonged contact. May cause stinging sensation in eyes & open sores or wounds.
Medical Conditions (generally aggravated by exposure) None
Emergency & First Aid Procedures Immediately flush eyes & skin with large amounts of water for at least 15 minutes. Seek medical attention if symptoms persist.

6) PRECAUTIONS FOR SAFE HANDLING & USE

Steps to Be Taken in Case Material is Released or Spilled: **CAUTION – Liquid is FLAMMABLE** – exercise extreme caution with regards to open flames, sparks and electricity. Clean spill immediately, using absorbent material. Dispose of in labelled waste container for proper disposal. Flush area with water. Follow all local & federal regulations. SPILLS ARE VERY SLIPPERY.
Handling & Storage Store in cool dry place, away from heat and open flame or sparks. Have a fire extinguisher readily available in case of fire. **DO NOT SMOKE WHILE HANDLING THIS PRODUCT.**
Waste Disposal Method Landfill or incinerate in accordance with local & federal regulations.
Other Precautions – Do not handle in aluminium containers at temperatures above 120°F

7) CONTROL MEASURES

Respiratory Protection (Specify Type) Not required under normal conditions
Ventilation: Local Exhaust - Normal Special NA
Mechanical (General) Not required. Other NA
Protective: N/A Eye Protection NA
Other Protective Clothing or Equipment: N/A
Work/Hygienic Practices Wash with soap & water before eating, drinking, smoking or using toilet. Launder contaminated clothing before re-use.

All information, recommendations & suggestions appearing herein concerning our product are based upon tests & data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, & suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied, is made by PHS International Ltd., as to the effects of such use, the results to be obtained, or the safety and toxicity of the product. Nor does PHS International Ltd. assume any liability arising out of the use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information is necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

PREPARED BY: Sam Maduri